



EMSL ANALYTICAL, INC.

Formaldehyde Published Exposure Limits 2008

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Agency Name	Acronym	Limit Name	Limit Abbr.	Limit (ppm) Parts Per Million	Limit (ppb) Parts Per Billion
Occupational Safety and Health Administration	OSHA	Permissible Exposure Limit	PEL	0.75	750
American Conference of Government Industrial Hygienists	ACGIH	Ceiling Concentration (2007)	C	0.3	300
United States Green Buildings Council	USGBC	Leadership in Energy and Environmental Design	LEED	0.05	50
National Institute for Occupational Safety and Health	NIOSH	Recommended Exposure Limit	REL	0.016	16
Federal Emergency Management Agency	FEMA	THU Procurement Specification		0.016	16
Agency for Toxic Substances Disease Registry	ATSDR	Minimal Risk Level	MRL	0.008	8
California Office of Environmental Health Hazard Assessment	OEHHA	Chronic Reference Exposure Level	cREL	0.003	3
United States Environmental Protection Agency (Region III)	EPA	Risk Based Concentration	RBC	0.00011	0.11
International Agency for Research on Cancer	IARC	Sufficient Evidence Nasopharyngeal Cancer			

OSHA PEL, Table Z-1; http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9992, accessed 9/7/07

ACGIH Ceiling from 2006 TLVs and BEIs Booklet

USGBC LEEDS Standard from "LEED For Commercial Interiors Version 2" (2004)

NIOSH Recommended Exposure Limit (REL), <http://www.cdc.gov/niosh/npg/npgd0293.html> accessed 9/7/2007

FEMA Temporary Housing Unit Procurement Specification, <http://www.fema.gov/news/newsrelease.fema?id=43180>, accessed 9/8/2008

ATSDR MRLs from; http://www.atsdr.cdc.gov/mrls/pdfs/mrllist_11_07.pdf accessed 3/11/08

CA OEHHA from http://www.oehha.ca.gov/air/chronic_rels/AllChrels.html, accessed 12/10/2008

USEPA Region III RBC table values; <http://www.epa.gov/reg3hwmd/risk/human/info/cover.pdf> , accessed 9/7/07

IARC Monograph #88, Formaldehyde...; <http://monographs.iarc.fr/ENG/Monographs/vol88/volume88.pdf>, accessed 9/7/07

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